

**POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI**

**System Reliability Indices Report for the week from
16-Jan-2017 to 22-Jan-2017**

Date: 27-Jan-2017

Percentage (%) of times ATC was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 221 | 55.25 | 32.89 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 146 | 36.50 | 21.73 |
| 4 | NEW-SR | 23 | 5.75 | 3.42 |
| 5 | ER-NER | 0 | 0.00 | 0.00 |

Percentage(%) of times (N-1) Criteria was violated

| S.No. | Corridor | Number of Blocks Violated | Number of Hours Violated | %Violation |
|-------|--------------|---------------------------|--------------------------|------------|
| 1 | WR-NR | 38 | 9.50 | 5.65 |
| 2 | ER-NR | 0 | 0.00 | 0.00 |
| 3 | Import of NR | 10 | 2.50 | 1.49 |
| 4 | NEW-SR | 2 | 0.50 | 0.30 |
| 4 | ER-NER | 0 | 0.00 | 0.00 |

Remarks: Flows crossing Total Transfer Capability (TTC) on interregional corridors has been worked out as a proxy for (N-1) violation.

Voltage Profile for the week from 16-Jan-2017 to 22-Jan-2017

| Region | Station | %age of time Voltage below 728/380 kV | %age of time Voltage between 728/380 kV & 800/420 kV | %age of time Voltage above 800/420 kV | Voltage deviation index (%age of time voltage is outside IEGC band) | Maximum Voltage (kV) | Minimum Voltage (kV) | Average Voltage (kV) |
|--------|---------------------|---------------------------------------|--|---------------------------------------|---|----------------------|----------------------|----------------------|
| NR | Agra | 0.00% | 100.00% | 0.00% | 0.00% | 798 | 745 | 771 |
| | Fatehpur | 0.00% | 100.00% | 0.00% | 0.00% | 781 | 733 | 758 |
| | Moga | 0.00% | 96.04% | 3.96% | 3.96% | 805 | 763 | 784 |
| | Phagi | 0.00% | 99.79% | 0.21% | 0.21% | 801 | 751 | 777 |
| WR | Aurangabad | 0.00% | 99.91% | 0.09% | 0.09% | 803 | 739 | 776 |
| | Dharamjaigarh | 0.00% | 100.00% | 0.00% | 0.00% | 797 | 762 | 777 |
| | Gwalior | 0.00% | 99.99% | 0.01% | 0.01% | 800 | 752 | 776 |
| | Sholapur | 0.00% | 93.73% | 6.27% | 6.27% | 811 | 751 | 786 |
| | Vadodara | 0.00% | 99.98% | 0.02% | 0.02% | 801 | 756 | 780 |
| SR | Nellore PS | 0.00% | 99.50% | 0.50% | 0.50% | 803 | 764 | 783 |
| | Raichur | 0.00% | 97.28% | 2.72% | 2.72% | 805 | 758 | 784 |
| | Thiruvalam | 0.00% | 56.52% | 43.48% | 43.48% | 820 | 777 | 798 |
| ER | Gaya | 0.00% | 100.00% | 0.00% | 0.00% | 790 | 751 | 770 |
| | Jharsuguda | 0.00% | 98.02% | 1.98% | 1.98% | 805 | 774 | 788 |
| | Ranchi | 0.00% | 100.00% | 0.00% | 0.00% | 799 | 420 | 782 |
| NER | Balipara (400 kV) | 0.00% | 99.86% | 0.14% | 0.14% | 423 | 392 | 407 |
| | Bongaigaon (400 kV) | 0.00% | 100.00% | 0.00% | 0.00% | 418 | 393 | 408 |
| | Silchar (400 kV) | 0.00% | 99.11% | 0.89% | 0.89% | 423 | 403 | 415 |

Remarks: Unless otherwise specified, station may be treated as 765kV S/S.